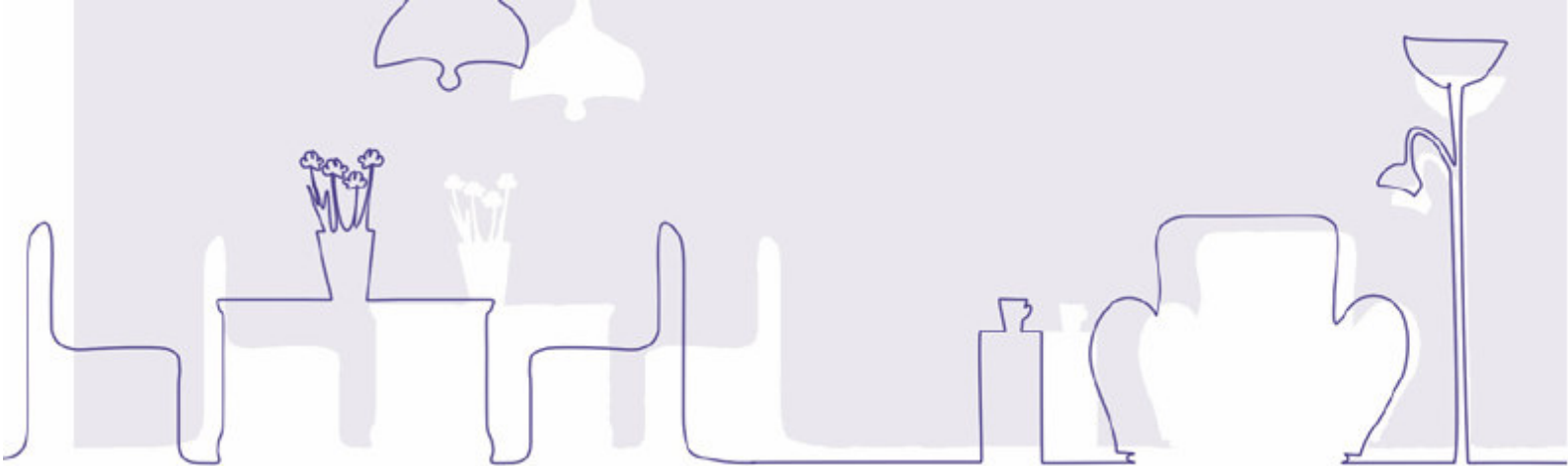


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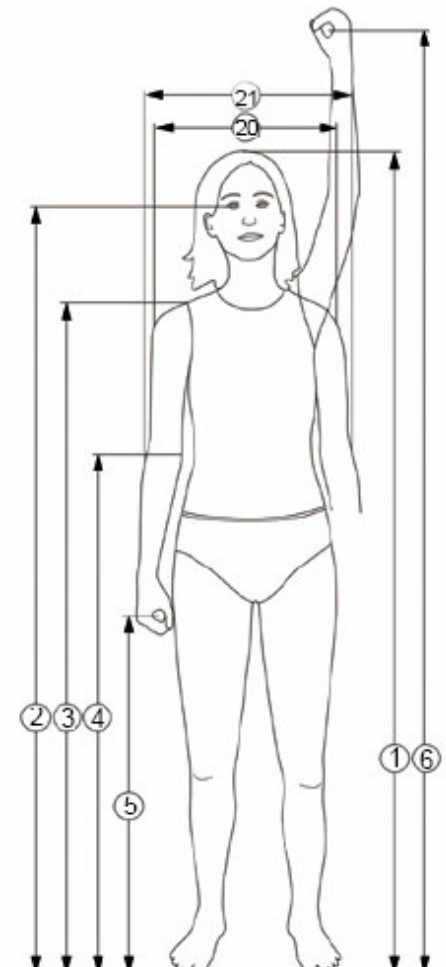
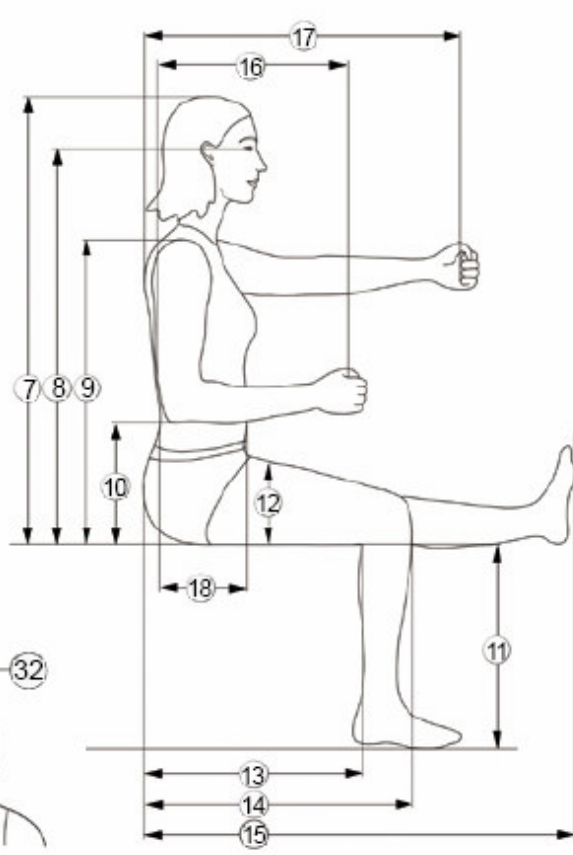
		18 - 65 years						
nr	dimension (in mm)	P1	P5	mean	P95	P99	SD	
standing	1	stature	1487	1551	1706	1861	1925	94
	2	eye height	1384	1446	1594	1743	1804	90
	3	shoulder height	1203	1259	1394	1529	1585	82
	4	elbow height	950	992	1094	1196	1238	62
	5	fist height	666	695	766	837	866	43
	6	vertical grip reach	1686	1777	1996	2215	2306	133
sitting	7	crown-buttock height	794	823	894	965	994	43
	8	eye height	689	716	782	848	875	40
	9	shoulder height	515	538	594	650	673	34
	10	elbow height	188	204	244	284	300	24
	11	popliteal height	385	403	446	489	507	26
	12	thigh thickness	116	126	149	172	182	14
	13	buttock-popliteal length	435	453	496	539	557	26
	14	buttock-knee length	532	554	607	660	682	32
	15	buttock-heel length	928	966	1058	1150	1188	56
	16	elbow-grip length	277	294	335	376	393	25
	17	forward grip reach	651	685	767	850	884	50
	18	abdominal depth	167	188	237	287	307	30
	19	hip breadth	305	329	387	445	469	35
	20	shoulder breadth	363	385	438	491	513	32
	21	elbow breadth	365	391	454	517	543	38
hands	22	hand length	161	169	189	209	217	12
	23	hand breadth	67	72	83	94	99	6,9
	24	hand thickness	20	22	27	32	34	3,2
	25	thumb breadth	13	15	20	25	27	2,8
	26	forefinger tip breadth	12	13	16	19	20	1,7
feet	27	foot length	209	221	249	277	289	17
	28	foot breadth	79	83	95	107	111	7
head	29	head length	169	175	188	201	207	8,1
	30	head breadth	131	135	145	155	159	6,2
	31	head height	195	205	228	251	261	14
	32	circumference	515	531	569	607	623	23
weight	33	weight			73,7			15



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calculating percentiles

P 0,1	= mean - 3,09 * SD	P 99,9	= mean + 3,09 * SD
P 1	= mean - 2,33 * SD	P 99	= mean + 2,33 * SD
P 2,5	= mean - 1,96 * SD	P 97,5	= mean + 1,96 * SD
P 5	= mean - 1,65 * SD	P 95	= mean + 1,65 * SD
P 10	= mean - 1,28 * SD	P 90	= mean + 1,28 * SD
P 20	= mean - 0,84 * SD	P 80	= mean + 0,84 * SD
P 25	= mean - 0,67 * SD	P 75	= mean + 0,67 * SD

architecture (in cm)

width of passage	75
body depth	45
sitting body depth	60
kneeling body depth	90
vertical reach	175

guidelines working heights

precise manipulative tasks	elbow height + 5 tot 10 cm
moderate force and precision	elbow height - 5 tot 10 cm
heavy manipulation, downward pressure	elbow height - 10 tot 25 cm
lifting and handling	between fist and elbow height
hand-operated controls	between elbows and shoulders

wheelchair (in cm)

width of passage	90
vertical reach	120
turning radius	150
operating controls	90 - 120
supporting bar	85 - 90